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	Application No.	Applicant(s)	
	10/706,043	KAJITA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Alexander O. Williams	2026	
	Alexander O. Williams	2826	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR OF THE NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR OF THE NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR OF THE NOTICE OF T	(OR REMAINS) CLOSED in this a or other appropriate communicatio GHTS. This application is subject	oplication. If not included on will be mailed in due course.	THIS initiative
1. A This communication is responsive to the Amendment filed	<u>11/29/05</u> .		
2. The allowed claim(s) is/are 1, 2, 5, and 7-9; renumbered 1,	2, 3 and 4-6 respectively.		
3. Acknowledgment is made of a claim for foreign priority unda) All b) Some* c) None of the:	der 35 U.S.C. § 119(a)-(d) or (f).		
1. Certified copies of the priority documents have	been received.	:	
2. Certified copies of the priority documents have	been received in Application No	•	
Copies of the certified copies of the priority doc	uments have been received in this	national stage application from	n the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMETHIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply ENT of this application.	complying with the requireme	nts
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives	tted. Note the attached EXAMINEF s reason(s) why the oath or declar	R'S AMENDMENT or NOTICE ation is deficient.	OF
5. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.		
(a) ☐ including changes required by the Notice of Draftsperso		-948) attached	
1) hereto or 2) to Paper No./Mail Date	•	•	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the	Office action of	
Identifying Indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in th			f
 DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F 	it of BIOLOGICAL MATERIAL FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the CAL MATERIAL.	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal I	Patent Application (PTO-152)	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	· · · · · · · · · · · · · · · · · · ·	
	Paper No./Mail Da	ate	
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 	3), 7. 🔀 Examiner's Amend	ment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Statem	ent of Reasons for Allowance	/
	9. Other	all Mills	_
	4	ALEXANDER O. WILLIAMS PRIMARY EXAMINER ALL, 26 26	•

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Serial Number: 10/706043 Attorney's Docket #: 24533US2S Filing Date: 11/13/2003; claimed foreign priority to 7/30/2003

Applicant: Kajita et al.

Examiner: Alexander Williams

Applicant's Amendment filed 11/29/05 to the election of the species of figures 1 to 7 (claims 1 to 9), filed 12/13/04, has been acknowledged.

This application contains claims 10 to 19 drawn to an invention non-elected without traverse. A complete response to the final rejection must include cancellation of non-elected claims or other appropriate action (see 37 CFR \ni 1.144 & MPEP \ni 821.01).

Claims 1, 2, 5 and 7 to 9 are allowable over the prior art of record.

Claims 3, 4 and 6 have been cancelled.

Part III EXAMINER'S AMENDMENT

- 1. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. 3 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.
- The application has been amended as follows:
 Cancel non-elected without traverse claims 10 to 19.

REASON FOR ALLOWANCE

3. The following is an Examiner's Statement of Reasons for Allowance:

As to independent claim 1, the prior art of record fails to show the combination recited in any of the claims. In particular, the prior art of record fails to show or collectively teach a semiconductor device comprising: a semiconductor substrate; an active element structure formed on the semiconductor substrate, and having a connection region formed in the surface of the semiconductor substrate; a first insulating film provided on the semiconductor substrate; a contact hole extending from a surface of the first insulating film to the connection region; a contact plug provided in the contact hole; a buried conductive film filled in a clearance formed in the contact plug,

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consisting of a material different from the contact plug, having a continuous surface without forming a step with the surface of the contact plug, and having a first width in the surface of the buried conductive film and a second width larger than the first width in a deeper position than the surface of the buried conductive film; and a first intervention conductive film interposed between the inner surface of the contact hole and the contact plug, the first intervention conductive film and the buried conductive film consisting substantially of the same material. Applicant's arguments provide reasons for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Field of Search	Date
U.S. Class and subclass:	3/11/05
257/758,774,773,758,301,505,303,748,304,762,764,767,	8/25/05
766	12/7/05
Other Documentation:	3/11/05
foreign patents and literature in	8/25/05
257/758,774,773,758,301,505,303,748,304,762,764,767, 766	12/7/05
Electronic data base(s):	3/11/05
U.S. Patents EAST	12/7/05

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander O. Williams whose telephone number is (571) 272 1924. The examiner can normally be reached on M-F 6:30AM-7:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272 1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> al-Miller Alexander O Williams Primary Examiner Art Unit 2826

AOW 12/7/05